CRF Errors Corrected by the STIC Systems Branch

Serial Number: 09/442,489

CRF Processing Date: 12/9/99
Edited by: _____
Verified by: _____ (STIC staff)

0300 00PM 00020 #3

ENTERED

- ☐ Changed a file from non-ASCII to ASCII

- ☐ Changed the margins in cases where the sequence text was "wrapped" down to the next line.

- ☐ Edited a format error in the Current Application Data section, specifically:
  _____

- ☐ Edited the Current Application Data section with the actual current number. The number inputted by the applicant was ☐ the prior application data; or ☐ other _____.

- ☐ Added the mandatory heading and subheadings for "Current Application Data".

- ☐ Edited the "Number of Sequences" field. The applicant spelled out a number instead of using an integer.

- ☐ Changed the spelling of a mandatory field (the headings or subheadings), specifically:
  _____

- ☑ Corrected the SEQ ID NO when obviously incorrect. The sequence numbers that were edited were: 95
  _____

- ☐ Inserted or corrected a nucleic number at the end of a nucleic line. SEQ ID NO's edited:
  _____

- ☐ Corrected subheading placement. All responses must be on the same line as each subheading. If the applicant placed a response below the subheading, this was moved to its appropriate place.

- ☐ Inserted colons after headings/subheadings. Headings edited included:
  _____

- ☐ Deleted extra, invalid, headings used by an applicant, specifically:
  _____

- ☐ Deleted: ☐ non-ASCII "garbage" at the beginning/end of files; ☐ secretary initials/filename at end of file; ☐ page numbers throughout text; ☐ other invalid text, such as _____

- ☐ Inserted mandatory headings, specifically: _____

- ☐ Corrected an obvious error in the response, specifically: _____

- ☐ Edited identifiers where upper case is used but lower case is required, or vice versa.

- ☐ Corrected an error in the Number of Sequences field, specifically: _____
  _____

- ☐ A "Hard Page Break" code was inserted by the applicant. All occurrences had to be deleted.

- ☐ Deleted *ending* stop codon in amino acid sequences and adjusted the "(A)Length:" field accordingly (error due to a PatentIn bug). Sequences corrected: _____

- ☐ Other:
  _____
  _____
  _____

Examiner: The above corrections must be communicated to the applicant in the first Office Action. DO NOT send a copy of this form.

3/1/95

PAGE: 1

RAW SEQUENCE LISTING
PATENT APPLICATION US/09/442,489

DATE: 12/10/1999
TIME: 11:45:46

INPUT SET: S34164.raw

This Raw Listing contains the General
Information Section and up to the first 5 pages.

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1                                SEQUENCE LISTING
2
3    (1)     General Information:
4
5          (i) APPLICANT: ALBERTSEN, HANS
6                         ANAND, RAKESH
7                         CARLSON, MARY
8                         GRODEN, JOANNA
9                         HEDGE, PHILIP J.
10                        JOSLYN, GEOFF
11                        KINZLER, KENNETH
12                        MARKHAM, ALEXANDER F.
13                        NAKAMURA, YUSUKE
14                        THLIVERIS, ANDREW
15                   VOGELSTEIN, BERT
16                   WHITE, RAYMOND L.
17
18       (ii) TITLE OF INVENTION: APC ANTIBODIES
19
20      (iii) NUMBER OF SEQUENCES: 102
21
22      (iv) CORRESPONDENCE ADDRESS:
23           (A) ADDRESSEE: Banner & Witcoff, Ltd.
24           (B) STREET: 1001 G Street, NW
25           (C) CITY: Washington
26           (D) STATE: D.C.
27           (E) COUNTRY: USA
28           (F) ZIP: 20001-4598
29
30       (v) COMPUTER READABLE FORM:
31           (A) MEDIUM TYPE: Floppy disk
32           (B) COMPUTER: IBM PC compatible
33           (C) OPERATING SYSTEM: PC-DOS/MS-DOS
34           (D) SOFTWARE: PatentIn Release #1.0, Version #1.25
35
36      (vi) CURRENT APPLICATION DATA:
37           (A) APPLICATION NUMBER:
38           (B) FILING DATE:
39           (C) CLASSIFICATION:
40
41     (vii) PRIOR APPLICATION DATA:
42           (A) APPLICATION NUMBER: US 08/452,654
43           (B) FILING DATE: 25-MAY-1995
44
45     (vii) PRIOR APPLICATION DATA:
46           (A) APPLICATION NUMBER: US 08/289,548
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PAGE: 2

RAW SEQUENCE LISTING
PATENT APPLICATION   *US/09/442,489*

DATE: 12/10/1999
TIME: 11:45:47

INPUT SET: S34164.raw

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47              (B) FILING DATE: 12-AUG-1994
48
49      (vii) PRIOR APPLICATION DATA:
50              (A) APPLICATION NUMBER: US 07/741,940
51              (B) FILING DATE: 08-AUG-1991
52
53     (viii) ATTORNEY/AGENT INFORMATION:
54              (A) NAME: Kagan, Sarah A.
55              (B) REGISTRATION NUMBER: 32,141
56              (C) REFERENCE/DOCKET NUMBER: 1107.78817
57
58       (ix) TELECOMMUNICATION INFORMATION:
59              (A) TELEPHONE: 202-508-9100
60              (B) TELEFAX: 202-508-9299
61
62
63  (2) INFORMATION FOR SEQ ID NO:1:
64
65       (i) SEQUENCE CHARACTERISTICS:
66              (A) LENGTH: 9606 base pairs
67              (B) TYPE: nucleic acid
68              (C) STRANDEDNESS: double
69              (D) TOPOLOGY: linear
70
71      (ii) MOLECULE TYPE: cDNA
72
73      (vi) ORIGINAL SOURCE:
74              (A) ORGANISM: Homo sapiens
75
76     (vii) IMMEDIATE SOURCE:
77              (B) CLONE: DP2.5(APC)
78
79      (ix) FEATURE:
80              (A) NAME/KEY: CDS
81              (B) LOCATION: 34..8562
82
83      (xi) SEQUENCE DESCRIPTION: SEQ ID NO:1:
84
85  GGACTCGGAA ATGAGGTCCA AGGGTAGCCA AGG ATG GCT GCA GCT TCA TAT GAT        54
86                                       Met Ala Ala Ala Ser Tyr Asp
87                                        1                   5
88
89  CAG TTG TTA AAG CAA GTT GAG GCA CTG AAG ATG GAG AAC TCA AAT CTT       102
90  Gln Leu Leu Lys Gln Val Glu Ala Leu Lys Met Glu Asn Ser Asn Leu
91           10                  15                  20
92
93  CGA CAA GAG CTA GAA GAT AAT TCC AAT CAT CTT ACA AAA CTG GAA ACT       150
94  Arg Gln Glu Leu Glu Asp Asn Ser Asn His Leu Thr Lys Leu Glu Thr
95       25                  30                  35
96
97  GAG GCA TCT AAT ATG AAG GAA GTA CTT AAA CAA CTA CAA GGA AGT ATT       198
98  Glu Ala Ser Asn Met Lys Glu Val Leu Lys Gln Leu Gln Gly Ser Ile
99   40                  45                  50                  55
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100
101    GAA GAT GAA GCT ATG GCT TCT TCT GGA CAG ATT GAT TTA TTA GAG CGT        246
102    Glu Asp Glu Ala Met Ala Ser Ser Gly Gln Ile Asp Leu Leu Glu Arg
103                    60                  65                  70
104
105    CTT AAA GAG CTT AAC TTA GAT AGC AGT AAT TTC CCT GGA GTA AAA CTG        294
106    Leu Lys Glu Leu Asn Leu Asp Ser Ser Asn Phe Pro Gly Val Lys Leu
107                    75                  80                  85
108
109    CGG TCA AAA ATG TCC CTC CGT TCT TAT GGA AGC CGG GAA GGA TCT GTA        342
110    Arg Ser Lys Met Ser Leu Arg Ser Tyr Gly Ser Arg Glu Gly Ser Val
111                    90                  95                 100
112
113    TCA AGC CGT TCT GGA GAG TGC AGT CCT GTT CCT ATG GGT TCA TTT CCA        390
114    Ser Ser Arg Ser Gly Glu Cys Ser Pro Val Pro Met Gly Ser Phe Pro
115                   105                 110                 115
116
117    AGA AGA GGG TTT GTA AAT GGA AGC AGA GAA AGT ACT GGA TAT TTA GAA        438
118    Arg Arg Gly Phe Val Asn Gly Ser Arg Glu Ser Thr Gly Tyr Leu Glu
119    120                 125                 130                 135
120
121    GAA CTT GAG AAA GAG AGG TCA TTG CTT CTT GCT GAT CTT GAC AAA GAA        486
122    Glu Leu Glu Lys Glu Arg Ser Leu Leu Leu Ala Asp Leu Asp Lys Glu
123                   140                 145                 150
124
125    GAA AAG GAA AAA GAC TGG TAT TAC GCT CAA CTT CAG AAT CTC ACT AAA        534
126    Glu Lys Glu Lys Asp Trp Tyr Tyr Ala Gln Leu Gln Asn Leu Thr Lys
127                   155                 160                 165
128
129    AGA ATA GAT AGT CTT CCT TTA ACT GAA AAT TTT TCC TTA CAA ACA GAT        582
130    Arg Ile Asp Ser Leu Pro Leu Thr Glu Asn Phe Ser Leu Gln Thr Asp
131                   170                 175                 180
132
133    TTG ACC AGA AGG CAA TTG GAA TAT GAA GCA AGG CAA ATC AGA GTT GCG        630
134    Leu Thr Arg Arg Gln Leu Glu Tyr Glu Ala Arg Gln Ile Arg Val Ala
135                   185                 190                 195
136
137    ATG GAA GAA CAA CTA GGT ACC TGC CAG GAT ATG GAA AAA CGA GCA CAG        678
138    Met Glu Glu Gln Leu Gly Thr Cys Gln Asp Met Glu Lys Arg Ala Gln
139    200                 205                 210                 215
140
141    CGA AGA ATA GCC AGA ATT CAG CAA ATC GAA AAG GAC ATA CTT CGT ATA        726
142    Arg Arg Ile Ala Arg Ile Gln Gln Ile Glu Lys Asp Ile Leu Arg Ile
143                   220                 225                 230
144
145    CGA CAG CTT TTA CAG TCC CAA GCA ACA GAA GCA GAG AGG TCA TCT CAG        774
146    Arg Gln Leu Leu Gln Ser Gln Ala Thr Glu Ala Glu Arg Ser Ser Gln
147                   235                 240                 245
148
149    AAC AAG CAT GAA ACC GGC TCA CAT GAT GCT GAG CGG CAG AAT GAA GGT        822
150    Asn Lys His Glu Thr Gly Ser His Asp Ala Glu Arg Gln Asn Glu Gly
151                   250                 255                 260
152
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INPUT SET: S34164.raw

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153   CAA GGA GTG GGA GAA ATC AAC ATG GCA ACT TCT GGT AAT GGT CAG GGT        870
154   Gln Gly Val Gly Glu Ile Asn Met Ala Thr Ser Gly Asn Gly Gln Gly
155       265             270             275

156
157   TCA ACT ACA CGA ATG GAC CAT GAA ACA GCC AGT GTT TTG AGT TCT AGT        918
158   Ser Thr Thr Arg Met Asp His Glu Thr Ala Ser Val Leu Ser Ser Ser
159   280             285             290             295
160
161   AGC ACA CAC TCT GCA CCT CGA AGG CTG ACA AGT CAT CTG GGA ACC AAG        966
162   Ser Thr His Ser Ala Pro Arg Arg Leu Thr Ser His Leu Gly Thr Lys
163               300             305             310
164
165   GTG GAA ATG GTG TAT TCA TTG TTG TCA ATG CTT GGT ACT CAT GAT AAG       1014
166   Val Glu Met Val Tyr Ser Leu Leu Ser Met Leu Gly Thr His Asp Lys
167               315             320             325
168
169   GAT GAT ATG TCG CGA ACT TTG CTA GCT ATG TCT AGC TCC CAA GAC AGC       1062
170   Asp Asp Met Ser Arg Thr Leu Leu Ala Met Ser Ser Ser Gln Asp Ser
171               330             335             340
172
173   TGT ATA TCC ATG CGA CAG TCT GGA TGT CTT CCT CTC CTC ATC CAG CTT       1110
174   Cys Ile Ser Met Arg Gln Ser Gly Cys Leu Pro Leu Leu Ile Gln Leu
175       345             350             355
176
177   TTA CAT GGC AAT GAC AAA GAC TCT GTA TTG TTG GGA AAT TCC CGG GGC       1158
178   Leu His Gly Asn Asp Lys Asp Ser Val Leu Leu Gly Asn Ser Arg Gly
179   360             365             370             375
180
181   AGT AAA GAG GCT CGG GCC AGG GCC AGT GCA GCA CTC CAC AAC ATC ATT       1206
182   Ser Lys Glu Ala Arg Ala Arg Ala Ser Ala Ala Leu His Asn Ile Ile
183               380             385             390
184
185   CAC TCA CAG CCT GAT GAC AAG AGA GGC AGG CGT GAA ATC CGA GTC CTT       1254
186   His Ser Gln Pro Asp Asp Lys Arg Gly Arg Arg Glu Ile Arg Val Leu
187               395             400             405
188
189   CAT CTT TTG GAA CAG ATA CGC GCT TAC TGT GAA ACC TGT TGG GAG TGG       1302
190   His Leu Leu Glu Gln Ile Arg Ala Tyr Cys Glu Thr Cys Trp Glu Trp
191       410             415             420
192
193   CAG GAA GCT CAT GAA CCA GGC ATG GAC CAG GAC AAA AAT CCA ATG CCA       1350
194   Gln Glu Ala His Glu Pro Gly Met Asp Gln Asp Lys Asn Pro Met Pro
195       425             430             435
196
197   GCT CCT GTT GAA CAT CAG ATC TGT CCT GCT GTG TGT GTT CTA ATG AAA       1398
198   Ala Pro Val Glu His Gln Ile Cys Pro Ala Val Cys Val Leu Met Lys
199   440             445             450             455
200
201   CTT TCA TTT GAT GAA GAG CAT AGA CAT GCA ATG AAT GAA CTA GGG GGA       1446
202   Leu Ser Phe Asp Glu Glu His Arg His Ala Met Asn Glu Leu Gly Gly
203               460             465             470
204
205   CTA CAG GCC ATT GCA GAA TTA TTG CAA GTG GAC TGT GAA ATG TAT GGG       1494
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INPUT SET: S34164.raw

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206    Leu Gln Ala Ile Ala Glu Leu Leu Gln Val Asp Cys Glu Met Tyr Gly
207                475                     480                485

208
209    CTT ACT AAT GAC CAC TAC AGT ATT ACA CTA AGA CGA TAT GCT GGA ATG    1542
210    Leu Thr Asn Asp His Tyr Ser Ile Thr Leu Arg Arg Tyr Ala Gly Met
211                490                     495                500

212
213    GCT TTG ACA AAC TTG ACT TTT GGA GAT GTA GCC AAC AAG GCT ACG CTA    1590
214    Ala Leu Thr Asn Leu Thr Phe Gly Asp Val Ala Asn Lys Ala Thr Leu
215                505                     510                515

216
217    TGC TCT ATG AAA GGC TGC ATG AGA GCA CTT GTG GCC CAA CTA AAA TCT    1638
218    Cys Ser Met Lys Gly Cys Met Arg Ala Leu Val Ala Gln Leu Lys Ser
219    520                     525                     530                535

220
221    GAA AGT GAA GAC TTA CAG CAG GTT ATT GCA AGT GTT TTG AGG AAT TTG    1686
222    Glu Ser Glu Asp Leu Gln Gln Val Ile Ala Ser Val Leu Arg Asn Leu
223                540                     545                550

224
225    TCT TGG CGA GCA GAT GTA AAT AGT AAA AAG ACG TTG CGA GAA GTT GGA    1734
226    Ser Trp Arg Ala Asp Val Asn Ser Lys Lys Thr Leu Arg Glu Val Gly
227                555                     560                565

228
229    AGT GTG AAA GCA TTG ATG GAA TGT GCT TTA GAA GTT AAA AAG GAA TCA    1782
230    Ser Val Lys Ala Leu Met Glu Cys Ala Leu Glu Val Lys Lys Glu Ser
231                570                     575                580

232
233    ACC CTC AAA AGC GTA TTG AGT GCC TTA TGG AAT TTG TCA GCA CAT TGC    1830
234    Thr Leu Lys Ser Val Leu Ser Ala Leu Trp Asn Leu Ser Ala His Cys
235                585                     590                595

236
237    ACT GAG AAT AAA GCT GAT ATA TGT GCT GTA GAT GGT GCA CTT GCA TTT    1878
238    Thr Glu Asn Lys Ala Asp Ile Cys Ala Val Asp Gly Ala Leu Ala Phe
239    600                     605                     610                615

240
241    TTG GTT GGC ACT CTT ACT TAC CGG AGC CAG ACA AAC ACT TTA GCC ATT    1926
242    Leu Val Gly Thr Leu Thr Tyr Arg Ser Gln Thr Asn Thr Leu Ala Ile
243                620                     625                630

244
245    ATT GAA AGT GGA GGT GGG ATA TTA CGG AAT GTG TCC AGC TTG ATA GCT    1974
246    Ile Glu Ser Gly Gly Gly Ile Leu Arg Asn Val Ser Ser Leu Ile Ala
247                635                     640                645

248
249    ACA AAT GAG GAC CAC AGG CAA ATC CTA AGA GAG AAC AAC TGT CTA CAA    2022
250    Thr Asn Glu Asp His Arg Gln Ile Leu Arg Glu Asn Asn Cys Leu Gln
251                650                     655                660

252
253    ACT TTA TTA CAA CAC TTA AAA TCT CAT AGT TTG ACA ATA GTC AGT AAT    2070
254    Thr Leu Leu Gln His Leu Lys Ser His Ser Leu Thr Ile Val Ser Asn
255                665                     670                675

256
257    GCA TGT GGA ACT TTG TGG AAT CTC TCA GCA AGA AAT CCT AAA GAC CAG    2118
258    Ala Cys Gly Thr Leu Trp Asn Leu Ser Ala Arg Asn Pro Lys Asp Gln
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PAGE: 6

RAW SEQUENCE LISTING
PATENT APPLICATION *US/09/442,489*

DATE: 12/10/1999
TIME: 11:45:48

INPUT SET: S34164.raw

****** PREVIOUSLY ERRORED SEQUENCES - EDITED *****

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3915    (2)  INFORMATION FOR SEQ ID NO: 95:
3916
3917       (i)  SEQUENCE CHARACTERISTICS:
3918             (A)  LENGTH: 25 base pairs
3919             (B)  TYPE:  nucleic acid
3920             (C)  STRANDEDNESS:   single
3921             (D)  TOPOLOGY: linear
3922
3923     (ii)  MOLECULE TYPE: cDNA
3924
3925     (vi)  ORIGINAL SOURCE:
3926             (A)  ORGANISM: Homo sapiens
3927
3928
3929     (xi)  SEQUENCE DESCRIPTION: SEQ ID NO:95:
3930
3931    AGAAGGATCC CTTGTGCAGT GTGGA                                  25
3932
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SEQUENCE VERIFICATION REPORT
PATENT APPLICATION   *US/09/442,489*

INPUT SET: S34164.raw

Line	Error	Original Text
16	Response Exceeds Line Limitations	WHITE, RAYMOND L.

PAGE: 1

RAW SEQUENCE LISTING
PATENT APPLICATION   *US/09/442,489*

OIPE

DATE: 12/10/1999
TIME: 03:27:56

INPUT SET: S34164.raw

> This Raw Listing contains the General Information Section and those Sequences containing ERRORS.

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 1                             SEQUENCE LISTING
 2
 3     (1)      General Information:                     Does Not Comply
 4                                                 Corrected Diskette Needed
 5          (i) APPLICANT: ALBERTSEN, HANS
 6                         ANAND, RAKESH
 7                         CARLSON, MARY
 8                         GRODEN, JOANNA
 9                         HEDGE, PHILIP J.
10                         JOSLYN, GEOFF
11                         KINZLER, KENNETH
12                         MARKHAM, ALEXANDER F.
13                         NAKAMURA, YUSUKE
14                         THLIVERIS, ANDREW
15                       VOGELSTEIN, BERT
16                       WHITE, RAYMOND L.
17
18      (ii) TITLE OF INVENTION: APC ANTIBODIES
19
20     (iii) NUMBER OF SEQUENCES: 102
21
22      (iv) CORRESPONDENCE ADDRESS:
23           (A) ADDRESSEE: Banner & Witcoff, Ltd.
24           (B) STREET: 1001 G Street, NW
25           (C) CITY: Washington
26           (D) STATE: D.C.
27           (E) COUNTRY: USA
28           (F) ZIP: 20001-4598
29
30       (v) COMPUTER READABLE FORM:
31           (A) MEDIUM TYPE: Floppy disk
32           (B) COMPUTER: IBM PC compatible
33           (C) OPERATING SYSTEM: PC-DOS/MS-DOS
34           (D) SOFTWARE: PatentIn Release #1.0, Version #1.25
35
36      (vi) CURRENT APPLICATION DATA:
37           (A) APPLICATION NUMBER:
38           (B) FILING DATE:
39           (C) CLASSIFICATION:
40
41     (vii) PRIOR APPLICATION DATA:
42           (A) APPLICATION NUMBER: US 08/452,654
43           (B) FILING DATE: 25-MAY-1995
44
45     (vii) PRIOR APPLICATION DATA:
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PAGE: 2

RAW SEQUENCE LISTING
PATENT APPLICATION *US/09/442,489*

DATE: 12/10/1999
TIME: 03:27:56

INPUT SET: S34164.raw

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46              (A) APPLICATION NUMBER: US 08/289,548
47              (B) FILING DATE: 12-AUG-1994
48
49        (vii) PRIOR APPLICATION DATA:
50              (A) APPLICATION NUMBER: US 07/741,940
51              (B) FILING DATE: 08-AUG-1991
52
53       (viii) ATTORNEY/AGENT INFORMATION:
54              (A) NAME: Kagan, Sarah A.
55              (B) REGISTRATION NUMBER: 32,141
56              (C) REFERENCE/DOCKET NUMBER: 1107.78817
57
58         (ix) TELECOMMUNICATION INFORMATION:
59              (A) TELEPHONE: 202-508-9100
60              (B) TELEFAX: 202-508-9299
61
62
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ERRORED SEQUENCES FOLLOW:

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3915    (2) INFORMATION FOR SEQ ID NO: 95:
3916
3917         (i) SEQUENCE CHARACTERISTICS:
3918             (A) LENGTH: 25 base pairs
3919             (B) TYPE:  nucleic acid
3920             (C) STRANDEDNESS:  single
3921             (D) TOPOLOGY: linear
3922
3923        (ii) MOLECULE TYPE: cDNA
3924
3925        (vi) ORIGINAL SOURCE:
3926             (A) ORGANISM: Homo sapiens
3927
3928
3929        (xi) SEQUENCE DESCRIPTION: SEQ ID NO:94:
3930                                                        25
3931    AGAAGGATCC CTTGTGCAGT GTGGA
3932
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SEQUENCE VERIFICATION REPORT
PATENT APPLICATION   *US/09/442,489*

Line	Error	Original Text
16	Response Exceeds Line Limitations	WHITE, RAYMOND L.
3929	Wrong Sequence Number	(xi) SEQUENCE DESCRIPTION: SEQ ID NO:94: